

sieversii, Berberis sphaerocarpa, Rosa, Rhamnus, Crataegus jungalica, Humulus lupulus, Lonicera altmani, Padus racemosa, Ribes meyeri. Pedigree - Wild. Fruit pale green to yellow, no blush, waxy. Flavor astringent. Disease: some fruit have canker. Leaf: scab. Insects: few scattered leaf spots. Tree 12 m, spreading.

**PI 600424. Malus sieversii (Ledeb.) M. Roem.**

Wild. GMAL 3527. Collected 09/10/1993 in Kazakhstan. Latitude 45 deg. 24' N. Longitude 80 deg. 24' E. Kazakhstan, Sarkand, Village of Topolevka, Forestry Camp #16 Topolevka Forestry Area, Taldy-Kurgan region, Soldier's Gorge, Dzhungarksy Alatau, near area of Bees. Soil humus. Slope 45%, Rainfall 750-800 mm. Surrounding plants: Crataegus jungalica. Pedigree - Wild. Fruit oblong, yellow, no bloom, waxy. Flavor good, sweet; hard texture. No scab. Insect: red spider mite, no aphids. Leaf shape long. Tree 6-8 m; compact habit; spur short, productive.

The following were collected by Philip L. Forsline, USDA, ARS, Cornell University, Plant Genetic Resources Unit, Geneva, New York 14456-0462, United States. Developed by Institute of Botany, Kazakh Academy of Sciences, Almaty, Alma-Ata, Kazakhstan. Donated by Aimak Dj. Djangaliev, Academy of Sciences Rep. of Kazakhstan, Main Botanical Garden, 187 Tulebaev st., apt. 11, Almaty, Alma-Ata 480091, Kazakhstan; Philip L. Forsline, USDA, ARS, Cornell University, Plant Genetic Resources Unit, Geneva, New York 14456-0462, United States; Gaylord Mink, Washington State University, Irrigated Agricultural Res. & Ext. Ctr., Route 2, Box 2953-A, Prosser, Washington 99350, United States. Received 11/01/1993.

**PI 600425. Malus sieversii (Ledeb.) M. Roem.**

Wild. GMAL 3528. Collected 09/10/1993 in Kazakhstan. Latitude 45 deg. 24' N. Longitude 80 deg. 24' E. Elevation 1255 m. Kazakhstan, Sarkand, Village of Topolevka, Forestry Camp #16 Topolevka Forestry Area, Taldy-Kurgan region, Soldier's Gorge, Dzhungarksy Alatau, near area of Bees. Soil humus. Rainfall 750-800 mm. Surrounding plants: Crataegus. Pedigree - Propagated in Alma Ata Botanical Garden. Fruit small, cherry-like, round, very long pedicel, persist ant calyx, pale green or yellow. Flavor acid. Fruit disease scab ++. Tree height 10 m, drooping habit. oldest tree in forest, 100 years. TP -25 form 10.

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**PI 600426. Malus sieversii (Ledeb.) M. Roem.**

Wild. GMAL 3529. Collected 09/10/1993 in Kazakhstan. Latitude 45 deg. 25' N. Longitude 80 deg. 24' E. Elevation 1255 m. Kazakhstan, Sarkand, Village of Topolevka, Forestry Camp #16 Topolevka Forestry Area,